In this course, you will learn advanced functions, options, and design methodologies of Creo Elements/Direct Modeling. You will explore advanced three-dimensional modification functions and options. Additionally, you will learn about advanced freeform functions as well as how to further manage assemblies with configurations and clash analysis. Finally, you will be taught about the 3D Documentation module and the Machining module.

At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.

Course Objectives

- Use the advanced options in modification commands
- Use Face Set features and patterns
- Create freeform parts using Loft, Sweep, and Helix
- Create and manipulate configurations
- Utilize Clash Analysis tools
- Explore Versioning rules
- Utilize 3D Documentation
- Utilize the Machining Module
Prerequisites

- Must be able to interpret engineering drawings and have an understanding of drafting concepts
- Must have at least two months of current experience with Creo Elements/Direct Modeling
- Prior use of another 3-D CAD system is helpful, but not required

Audience

- This course is intended for designers, mechanical engineers, industrial designers, illustrators, and tooling designers. People in related roles will also benefit from taking this course.
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